



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 15] नई दिल्ली, शनिवार, अप्रैल 15, 1989 (चैत्र 25, 1911)
No. 15] NEW DELHI, SATURDAY, APRIL 15, 1989 (CHAITRA 25, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

[PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

ADDRESS AND JURISDICTION OF OFFICES OF
THE PATENT OFFICE

Calcutta, the 15th April 1989

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates,
III Floor, Lower Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

1-27 GI/89

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, the 15th April 1989

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patent Act, 1970.

The 7th March 1989

- 186/Cal/89. On Chandra Kafley OM's method of Combatting Hijacking.
- 187/Cal/89. Institut Strukturnoi Makrokinetiki Akademii Nauk SSSR. Process for producing pulverous refractory inorganic compounds and metal compositions.
- 188/Cal/89. Bioresearch, Inc., Urethane-Protected Amino Acid-N-Carboxyanhydrides.
- 189/Cal/89. Monolite S.r.l., Apparatus for manufacturing building panels.

The 8th March 1989

- 190/Cal/89. Mitsui Totatsu Chemicals, Incorporated, Mercapto Compounds, Resin Using the compound, and plastic lens comprising the resin.
- 191/Cal/89. Kinglor Ltd. Hopper for the automatic filling with materials in powder form, in a homogeneous way and at a high speed, of a metal band destined to Form A tube or A wire provided with a core, useable in the treatment of molten metal baths.
- 192/Cal/89. Rexnord Corporation. Apron type conveyor.
- The 9th March 1989
- 193/Cal/89. The Falk Corporation. Flexible shaft coupling with coated grid.
- 194/Cal/89. The Falk Corporation. Flexible shaft coupling with polymeric resin hubs.
- 195/Cal/89. Institut Fur Angewandte Bio-Technologie Der Tropen; An Der George-August-Universitat. A process for the preparation of a virus and a viral antigen and a device therefor.
- 196/Cal/89. Bruce K. Redding, Jr. Apparatus and Method for making microcapsules.
- 197/Cal/89. Asim Kumar Pal, Focusing-cu-indicating light with colour changing arrangement.

The 10th March 1989

- 198/Cal/89. Manoj Kumar Jain, Square Steel Prop. \sphericalangle 208 to 3.6 Mtrs.
- 199/Cal/89. General Electric Company. Treatment for inhibiting irradiation induced stress corrosion cracking in austenitic stainless steel.
- 200/Cal/89. Westinghouse Electric Corporation. Hot isostatic ressing of powders to form high density contacts.
- 201/Cal/89. Drolia Fuels Pvt. Ltd., A process for manufacture of coke briquettes with Blue Dust, Lime Dust and L. D. Dust for use in Blast Furnance.

The 13th March 1989

- 202/Cal/89. KSB Aktiengesellschaft, A method and equipment for obtaining energy from oil wells.
- 203/Cal/89. Mc Neil-PPC, Inc., Improved multiple silver absorbent product.

2504/Cal/89. Hoechst Aktiengesellschaft, Process for the preparation of Halogen-containing aromatic compounds.

205/Cal/89. The Babcock & Wilcox Company. Improved frequency output generator.

The 14th March 1989

- 206/Cal/89. Subhankar Mukherjee. Solar concentrator of the reflecting type.
- 207/Cal/89. Donetsk Politekhicheskoy Institut. Method of producing general purpose steel.
- 208/Cal/89. The Research Foundation for Microbial Diseases. A recombinant marek's disease virus and A vaccine.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI.

The 30th January 1989

- 81/Del/89. Ved Prakash, "Dialyser and arterial-venous blood lines reuse system".
- 82/Del/89. Rohm and Has Co., "Thermoplastic polymer compositions containing melt rheology modifiers".
- 83/Del/89. Olin Corporation, "Concentrated hypochlorous acid solutions".
- 84/Del/89. Imperial Chemical Industries ULC., "Methanol". (Convention date 18th February, 1988) (U.K.).

The 31st January 1989

- 85/Del/89. Best Industries, Inc., "Catheter buttons".
- 86/Del/89. Best Industries, Inc., "Storage and transport containers for medical isotopes".
- 87/Del/89. Shriram Institute for Industrial Research, "A process for the preparation of an adhesive".
- 88/Del/89. Shriram Institute for Industrial Research, "A process for the preparation of a condensation product of sorbitol and benzaldehyde".
- 89/Del/89. Armco Inc., "Oxidation resistant ferrous base foil and method therefor". [Divisional date 30th April, 1986].
- 90/Del/89. UOP INC., "Catalytic composite suitable for the alomerization of olefinic hydrocarbons and a process for the preparation thereof". [Divisional date 20th May, 86].
- 91/Del/89. D.C.P. AF 1988 A/S, "A dosage unit for dosing a number of measured quantities of a liquid, such as an insulin preparation, from a cartridge".
- 92/Del/89. Maschinenfabrik Sulzer-Burckhardt AG., "Trunk piston compressor".
- 93/Del/89. Maschinenfabrik Sulzer-Burckhardt AG., "Trunk piston compressor".
- 94/Del/89. Shell Internationale Research Maatschappij B. V., "Detection of chemicals by immunoassay". (Convention date 2nd February, 1988) (U.K.).
- 95/Del/89. International Paint Public Ltd. Co., "Inhibition of marine fouling". (Convention date 15th February, 1988) (U.K.).

The 1st February 1989

- 96/Del/89. Sunil Anand, "A device relating to "Positioning System".
- 97/Del/89. W. R. GRACE & C-CONN., "Dual base adsorption and treatment of glyceride oils".

98/Del/89. Astra Pharmaceuticals Pty. Ltd., "Plastic cartridge and syringe". (Convention date 10th February 1988) (Australia).

99/Del/89. Mezhotrasklevoi Nauchno-Technichesky Komplex "MIKROKHIRU RGIA GLAZA", Intraocular prosthetic lens".

The 1st February 1989

100/Del/89. Thomson-CSF, "Method and device to compute the integration pitch of a shell trajectory".

The 2nd February 1989

101/Del/89. Laboratories Boiron SA, "A method and apparatus for automatic dilution".

102/Del/89. Crestmoore Ltd., "Depilatory device for removing hair".

The 3rd February 1989

103/Del/89. George Stan Baranescu, "Internal combustion engine with broad fuel tolerance and low emissions".

104/Del/89. Polymer Papers Ltd., "A method of manufacturing a spring unit incorporating bodies of elastomer".

105/Del/89. Polymer Papers Ltd., "A dual purpose container".

106/Del/89. Microgenesys, Inc., "Method for producing a recombinant protein derived from the circumsporozoite gene of plasmodium falciparum".

The 6th February 1989

107/Del/89. Council of Scientific & Industrial Research, "Improvements in or relating to the electrolytic process for the production of potassium iodate".

108/Del/89. Dorr-Oliver Incorporated, "Vacuum filter with releasably clamped sealing strip".

109/Del/89. Schenck Auto Service-Gerate GmbH, "Method of producing a support and a support produced by the method".

110/Del/89. M & T Chemicals Inc., "Aqueous alkaline developable, UV curable urethane acrylate".

The 7th February 1989

111/Del/89. German Borodulin, "Expandable urethral bougies".

112/Del/89. BP Chemicals Ltd., "Bleach activators in detergent compositions". (Convention date 11th February, 1988 (U.K.)).

113/Del/89. The B. F. Goodrich Co., "A method of making and a slow release composition for abating acid water formation".

114/Del/89. The Lubrizol Corporation, "Thermal oxidatively stable synthetic fluid composition".

115/Del/89. Wellworthy Ltd., "Pistons". (Convention date 26-2-88) (U.K.).

116/Del/89. BP Chemicals Ltd., "Ziegler-natta catalyst".

117/Del/89. BP Chemicals Ltd., "Anhydrides in detergent compositions". (Convention date 11th February, 1988) (U.K.).

118/Del/89. Rohm and Haas Co., "Penetrating treatment for porous substrates".

119/Del/89. Solvay & Cie., "A method of preparing an antigenic polypeptide". [Divisional date 1st December, 1986].

The 8th February 1989

120/Del/89. Sultan Singh Jain, "An empty tap locker".

121/Del/89. Sultan Singh Jain, "A self-closing low pressure tap".

122/Del/89. Sultan Singh Jain, "A tap removal closing valve".

123/Del/89. Keith P. Thompson, "Apparatus and process for application and adjustable reprofiling of synthetic lenticules for vision correction".

124/Del/89. William P. Strumbos, "Spark plug temperature control".

The 9th February 1989

125/Del/89. Societe Nationale D' Etude Et De Construction De Moteurs D' Aviation, S.N.E.C.M.A., "Method and apparatus for upsetting forged bars".

126/Del/89. Exxon Research and Engineering Co., "Recovery of dewaxing aid using asymmetric polyimide ultrafiltration membrane and method for producing said membrane".

The 10th February 1989

127/Del/89. Sultan Singh Jain, "An automatic tap operator with a valve fitted socket".

128/Del/89. Motorola, Inc., "Surface mount filter with integral transmission line connection".

129/Del/89. Earth Chemical Co. Ltd., "Device for thermal vaporization of active ingredient".

130/Del/89. Werkzeugmaschinenfabrik Oerlikon-Bührle AG., "Accelerator for an indirectly operating air brake".

131/Del/89. Societe Europeenne Des Produits Refractaires, "Thin ceramic articles obtained by fusing and casting in a mold a composition of the system $Al_2O_3-ZrO_2-SiO_2-K_2O$ which was good mechanical strength & abrasion resistance properties".

The 13th February 1989

132/Del/89. Jagdish Chandra Sharma, "Theft-proof magnetic water tap".

133/Del/89. Satish Kumar Das, "Tamper proof water tap".

134/Del/89. Ashok Kumar Saxena, "Public hydrant".

135/Del/89. Purolator India Ltd., "A filter element".

136/Del/89. Surinder Dadwal, "A water tap".

137/Del/89. Amrik Singh Sabharwal, "A new system with modified tap for stopping leakage, wastage and removal of tap from public hydrants".

138/Del/89. International Paint Public Ltd. Co., "An anti-fouling marine paint". [Divisional date 23rd April, 1986].

(Conventional date 14th May, 1985) (U.K.).

139/Del/89. International Paint Public Ltd. Co., "An anti-fouling marine paint". (Conventional date 14th May, 1985) (U.K.). [Divisional date 23rd April, 1986].

140/Del/89. Gencorp Inc., "Directed flow die assembly".

141/Del/89. Solvay & Cie, "Process for the stereospecific polymerization of alpha-olefins and catalyst system which can be employed for this polymerization"

142/Del/89. Nauchno-issledovatel'skiy Institut Tekhnologii I Bezopasnosti Lekarnykh Sredstv., "Method of preparing 4-amino-2, 3-disubstituted-6, 7-dihydro-5H-pyridine derivatives capable of promoting excitation conduction in nervous and muscular systems, recovering memory, and producing anti-arrhythmic and analgetic effect".

The 14th February 1989

143/Del/89. Rao Satyanarayan Channapragada, "A process and apparatus for the production of magnetic optic cards".

144/Del/89. Suresh Kumar Chawla, "A vehicle".

145/Del/89. Intel Gasgards Private Ltd., "Improvements in or relating to gas burning appliances".

146/Del/89. R & R Inventions Ltd., "Disposable syringe". (Conventional date 17th February, 1988) (U.K.).

147/Del/89. Solvay & Cie, "Catalytic solid for use in the polymerization of alpha-olefins, process for preparing it and process for the polymerisation of alpha-olefins in the presence of a catalyst system containing this solid".

148/Del/89. Exxon Chemical Patents Inc., "A method for preparing polymers using an olefin polymerization supported catalyst". [Divisional date 18th June, 1986].

149/Del/89. Farrel Corporation, "Optimized four wing, non-intermeshing rotors for synchronous drive at optimum phase relation in internal batch mixing machine".

150/Del/89. The B. F. Goodrich Co., "Rigid thermoplastic compositions capable of forming articles with matte surface".

The 15th February 1989

151/Del/89. JOHN Crane UK Ltd., "Mechanical face seals". (Conventional date 18th February, 1988) (U.K.).

152/Del/89. Maersk Olie OG Gas A/S, "A method and a device for mounting the piles associated with the installation of a pile-founded offshore platform".

153/Del/89. Council of Scientific & Industrial Research, "Synthesis of 8-(methoxycarbonyl) octyl 4-O-benzyl-L-rhamno-pyranoside; a novel intermediate for synthesis of a laprosy antigen".

The 17th February 1989

154/Del/89. Madhusudan Dhara, "Improved design of tap for stopping leakage from public hydrants".

155/Del/89. Better Life International, Inc., "A process for preparing tobaccoless chewing composition". [Divisional date 19th September, 1986].

156/Del/89. Better Life International, Inc., "Herbal snuff composition". [Divisional date 19th September, 1986].

157/Del/89. Adidas Fabrique De Chaussures De Sport Sarl., "Composition for coating the external surface of sport balls and balls thus obtained".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 27th March 1989

155/Mas/89. Venkataraman Chandrashekar, "Electronic Control Gear For Fluorescent Lamps".

156/Mas/89. Venkataraman Chandrashekar, "Regulated electronic ballast system".

157/Mas/89. R. Vijaya Kumar, "Output stabilised static captive power system".

158/Mas/89. Smt. Sakunthala Sundaram, "Clear vision writing practice slate with contrast coloured grooved letters for guidance".

159/Mas/89. C. R. Bard, INC., "Medical pump with infusion controlled by a detachable coded label".

160/Mas/89. Fisher Controls International, Inc., "Droop compensated direct acting pressure regulator".

161/Mas/89. Nadella, "Adjustably prestressed rolling bearing".

The 28th March 1989

162/Mas/89. Duprat Selvarajan Leopold Joseph, "Artificial photosynthesis and a device for generating electricity".

163/Mas/89. Robert Henry Abplanalp, "Improved valved plastic pressure container (December 16, 1988, UK)".

164/Mas/89. Hoechst Aktiengesellschaft, "Process for the preparation of hexafluoropropene".

165/Mas/89. Minnesota Mining and Manufacturing Company, "Process for the acrylamideacylation of alcohols".

166/Mas/89. Charbonnages De France (Etablissement public), "A cooled fluidization grid".

167/Mas/89. Maschinenfabrik Rieter AG, "An arrangement in a combing machine for guiding the lap between a lap roller and a feed roller".

168/Mas/89. Maschinenfabrik Rieter AG, "A method of and apparatus for making fibre bales available along a fibre bale opening machine".

169/Mas/89. Raadgivende Ingenior Menning Joergensen, "A trap".

170/Mas/89. Institut Francais Du Pétrole, "A composite material tube substantially insensitive to the variations of length under the effect of the internal pressure".

The 2nd March 1989

171/Mas/89. TVS-Suzuki Limited, "An improved I. C. engine incorporating a bypass carburettion system for reducing carbon monoxide emission at idling".

172/Mas/89. TVS-Suzuki Limited, "A variable compression ratio anti-knock two stroke I. C. engine".

173/Mas/89. K. K. Ramaswamy, "A self-priming pump".

174/Mas/89. Minnesota Mining and Manufacturing Company, "Sealing of polymeric web surfaces".

175/Mas/89. Institut Francais Du Pétrole, "Tube comprising composite layers with different moduli of elasticity".

176/Mas/89. Nippon Shokubai Kagaku Kogyo Co., Ltd.
Process for producing l-aminoanthraquinones.

177/Mas/89. Jeumont-Schneider, Circuit for establishment
of a routing table localized in the m-th node.

The 3rd March 1989

178/Mas/89. Egis Gyogyszergyar. Process for increasing the
yield of cytokins.

179/Mas/89. Egis Gyogyszergyar. Process for the prepara-
tion of high-purity, therapeutically useful human
leukocyte interferon on an industrial scale.

180/Mas/89. Northern Engineering Industries PLC. Im-
provements in burners. (March 4, 1988) (UK);
(December 12, 1988) (UK).

181/Mas/89. Raychem Corporation. Telecommunications
Terminal Block and Adapter.

182/Mas/89. The Dow Chemical Company. Thixotropic
Cement Compositions.

ALTERATION OF DATE

164579 Anti-dated 24th August, 1983.
(951/Cal/87).

164580 Ante-dated 24th August, 1983.
(144/Cal/88).

OPPOSITION PROCEEDINGS UNDER SEC. 57

Notice is hereby given that Enichem Polimeri S.P.A. (for-
merly Enoxy Cjo, oca S.P.A.) a company organised under
the law of the Italian Republic of Via Mazzini, 8 - Sassari,
Italy an Italian Company have made an application under
Sec. 57 of the Patents Act, 1970 for amendment of speci-
fication of their application for patent No. 161008 for "A
process for polymerizing and co-polymerizing conjugate di-
olefins." The amendments are by way of disclaimer. The
application for amendments and the proposed amendment
can be inspected free of charge at Patent Office, 234/4,
Acharya Jagadish Bose Road, Nizam Palace, Calcutta-
700 020 or copies of the same can be had on payment of
the usual copying charges. Any person interested in oppos-
ing the application for amendment may file a notice of oppo-
sition on the prescribed Form 30 within Three months from
the date of this notification at the Patent Office, Calcutta.
If the written statement of opposition is not filed with the
notice of opposition it shall left within one month from the
date of filing the said notice.

[CLAIM UNDER SECTION 20(1)]

The claim made by Uniroyal Chemical Company Inc.,
under Section 20(1) of the Patent Act 1970 to proceed as
an applicant for Patent No. 160356 have been allowed.

The claim made by Uniroyal Chemical Company Inc.,
under Section 20(1) of the Patent Act 1970 to proceed as
an applicant for Patent No. 160181 have been allowed.

The claim made by Dec Machinery S.A., under Section
20(1) of the Patent Act, 1970 to proceed as applicant for
Patent No. 157162 have been allowed.

The claim made by Dec Machinery S.A., under Section
20(1) of the Patents Act, 1970 to proceed the application for
the Patent No. 161979 in their name has been allowed.

The claim made by Uniroyal Chemical Company Inc.,
under Section 20(1) of the Patents Act 1970 to proceed as
an application for Patent No. 160481 have been allowed.

PATENTS SEALED

155165	155438	156504	157162	159205	160181	160356
160481	161605	161696	161711	161911	161979	162444
162460	162465	162812	162862	162981	163040	163064
163068	163077	163079	163080	163081	163082	163083
163086	163087	163090	163092	163094	163096	163097
163151	163152	163153	163171	163174	163175	163176
163177	163178	163179	163185	163191	163196	163206
163211	163221					

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Enichem Polimeri S.P.A.
(formerly Enoxy Chemica S. p. A.) a company organised
under the law of the Italian Republic of Via Mazzini, 8-
Sassari, Italy, an Italian Company have made an application
under Sec. 57 of the Patents Act, 1970 for amendment of
specification of their application for Patent No. 161009 for
"A process for polymerizing and co-polymerizing conjugate
diolefins." The amendments are by way of disclaimer. The
application for amendments and the proposed amendment
can be inspected free of charge at Patent Office, 234/4,
Acharya Jagadish Bose Road, Nizam Palace, Calcutta-
700 020 or copies of the same can be had on payment of the
usual copying charges. Any person interested in opposing
the application for amendment may file a notice of opposition
on the prescribed Form 30 within Three Months from the
date of this notification at the Patent Office, Calcutta. If
the written statement of opposition is not filed with the notice
of opposition it shall be left within one month from the date
of filing the said notice.

RENEWAL FEES PAID

143724	144364	144408	144459	144760	145261	145490
145608	145621	145632	145688	145721	145756	145792
146053	146160	146444	146459	146614	147164	147569
147683	147831	148219	148281	148443	148557	148632
148755	148763	149159	149396	149645	149978	150091
150239	150298	150323	150330	150508	151034	151067
151129	151150	151447	151453	151827	151834	151836
151876	151904	151957	152065	152154	152177	152195
152293	152356	162365	152423	152626	162667	152693
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153895	153979	154019	154154	154498	154543	154648
154732	154857	155117	155304	155306	155307	155319
155324	155325	155381	155382	155533	155594	155795
155796	155911	156077	156100	156123	156447	156489
156790	156824	156825	157112	157202	157294	157475
157476	157483	157520	157521	157542	157545	157560
157600	157719	157974	158107	158187	158268	158283
158335	158377	158443	158444	158445	158446	158457
158604	158742	158743	158509	158906	158931	158988
159018	159138	159250	159302	159303	159525	159528
159536	159770	159802	159806	159913	159981	160062
160099	160130	160249	160293	160294	160295	160296
160297	160301	160313	160366	160457	160476	160477
160496	160509	160552	160666	160745	161233	161237
161278	161326	161328	161351	161372	161378	161421
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161504	161572	161732	161858	161885	161886	161976
162045	162052	162072	162076	162095	162149	162232
162253	162254	162255	162256	162326	162340	162404
162553	162572	162704				

CESSATION OF PATENTS

148014	148016	148017	148018	148019	148021	148022
148023	149024	148032	148033	148034	148036	148041
148042	148045	148047	148048	148049	148050	148051
148055	148057	148061	148062	148063	148064	148066
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148111	148112	148114	148115	148116	148117	148119
148120	148121	148122	148123	148127	148128	148130
148132	148133	148134	148136	148138	148140	148141
148142	148143	142145	148146	148147	148149	148153
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148163	148166	148168	148169	148172	148173	148174
148175	148177	148181	148185	148186	148187	148188
148189	148191	148192	148193	148196	148197	148199
148202	148206	148207	148211	148212	148222	148226
148228	148230	148232	148233	148234	148240	148241
148250	148251	148252	148253	148255	148256	148258
148262	148263	148264	148269	148270	148273	147362
157287	158802	159338	159622	159623	159624	159880
159986	160025	161307				

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160029 granted to Mrs. Anita Chowdhury for an invention relating to "an improved positive displacement metering device for liquid dispersing pumps".

The patent ceased on the 16th September 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160316 granted to SO "PERUN" for an invention relating to "method of manufacturing fine jute and jute-type yarns".

The patent ceased on the 13th December 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th

June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157577 granted to Cosden Technology, Inc., for an invention relating to "an improved process for the continuous liquid phase and fluidized bed, catalytic polymerization of isobutylene".

The patent ceased on the 8th March 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154808 granted to Tox-Dubel-Werk R. W. Heckhausen GmbH & Co. KG. for an invention relating to "nail plug".

The patent ceased on the 15th January 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration Patent No. 144459 dated the 25-4-77 made by T.T. (Private) Limited on the 25-4-88 and notified in the Gazette of India, Part III, Section 2 dated the 3-9-88 has been allowed and the said Patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158169 granted to Talluri Dingara Prasada Rao and I.T.C. Limited for an invention relating to "a process for the preparation of a chemical suckericide".

The patent ceased on the 11th August 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya

Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154368 granted to Kannappan Narayanaperumal for an invention relating to "a plough tiller blade for use with cultivators".

The patent ceased on the 20th January 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151823 granted to Tox-Dubel-Werk Richard V. Heckhausen KG for an invention relating to "expanding fixing plug".

The patent ceased on the 30th January 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149320 granted to Indian Oxygen Limited for an invention relating to "improved valve unit for fluid pressure regulators particularly gas pressure regulators".

The patent ceased on the 5th May 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of

Patent No. 155320 granted to Chief Controller, Research & Development for an invention relating to "a process for the manufacture of structurally refined silumine".

The patent ceased on the 22nd January 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 155305 granted to Chief Controller, Research & Development for an invention relating to "a process for converting graded metallic scrap to slugs".

The patent ceased on the 22nd January 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11-2-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 15th June, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of Patent No. 156836 dated the 21-6-82 made by Unisystems Private Limited on the 16-5-88 and notified in the Gazette of India, Part III, Section 2 dated the 1-10-88 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 156843 dated the 29-6-82 made by Unisystems Private Limited on the 16-5-88 and notified in the Gazette of India, Part III, Section 2 dated the 1-10-88 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 158138 dated the 6-8-82 made by Shourie Copiers Private Limited on the 11-4-88 and notified in the Gazette of India, Part III, Section 2 dated the 20-8-88 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 151827 dated the 11-5-81 made by IDL Chemicals Limited on the 3-5-88 and notified in the Gazette of India, Part III, Section 2 dated the 1-10-88 has been allowed and the said Patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patent Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 9-D.

164571

Int. Cl. : C 22 c 15/00, 19/00, 39/08, 39/10, 39/16, 39/20, 39/36.

IMPROVED INDUSTRIAL GAS TURBINE COMPONENTS.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, U.S.A.

Inventor : 1. JOHN STUART HAYDON, 2. ADRIAN MAURICE BEITRAN.

Application No. 818/Cal/85 filed November 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

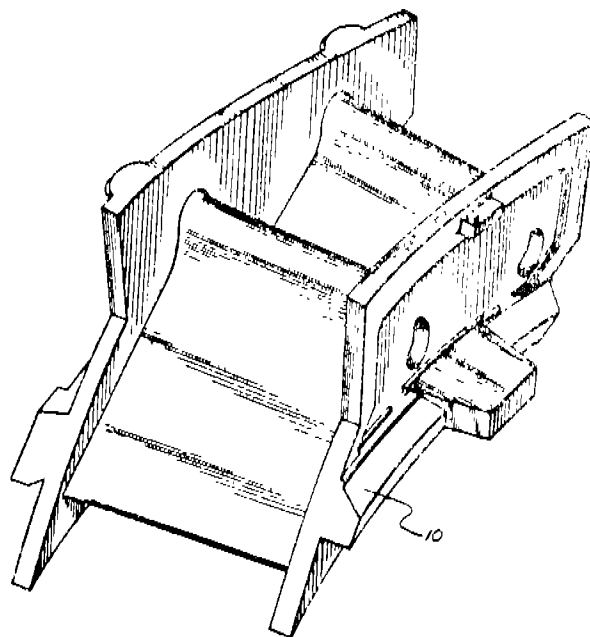
3 Claims

An improved industrial component for example gas turbine components such as a cast nozzle or a transition piece made of a plurality of sheets rolled and formed in predetermined shape and assembled and welded together to define the desired piece having contact surfaces possessing excellent hot erosion resistance, creep strength and creep rupture strength at high temperature, metallurgical stability, tensile ductility and weldability and made of a cobalt-base super-alloy consisting essentially of, by weight :

- 0.3 to 0.6 % carbon
- 27 to 35 % chromium
- 9 to 16 % nickel
- 6 to 9% tungsten
- 0.45 to 2.0 % tantalum
- up to 0.5 % titanium
- up to 3.0% hafnium
- up to 1.0% columbium
- up to 0.7% zirconium
- up to 1.0 % manganese
- up to 1.0 % silicon
- up to 0.05 % boron
- up to 2.0 % iron

Balance cobalt, the carbon (C), tantalum (Ta), hafnium (Hf), titanium (Ti), columbium (Cb) and Zirconium (Zr) being so selected as to satisfy the following equation :

$$\frac{\text{Atomic Percent (Ta + Hf + Ti + Cb + Zr)}}{\text{Atomic Percent C}} = 0.4 \text{ to } 0.8$$



Compl. specn. 19 pages.

Drgs. 4 sheets

CLASS : 129-M & G.

164572

Int. Cl. : B 23 d 15/10, 31/00, 33/04.

METHOD FOR CUTTING SHEETS OR PLATES AND ROLLING-CUT SHEARS FOR CARRYING THE METHOD INTO EFFECT.

Applicant : SLAVYANSKY FILIAL VSESOJUZNOGO NAUCHNOISLEDOVATELSKOGO I PROEKTNO-KONSTRUKTORSKOGO INSTITUTA METALLURGICHESKOGO MASHIN OSTROENIA IMENI A. I. TSELIKOVA, OF SLAVYANSK DONETSKAYA OBLAST', ULITSA KARPINSKOGO. 2A, USSR.

Inventors : 1. NIKOLAI GRIGORIEVICH BOIDENKO, 2. NIKOLAI IVANOVICH SHANDYBA, 3. VLADIMIR DAVYDOVICH SHEINKMAN, 4. VASILY YAKOVLEVICH PANJUKHNO, 5. VIKTOR PAVLOVICH KAPOTA.

Application No. 902/Cal/85 filed December 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method for cutting sheets or plates in rolling-out shears between a straight knife and an arc-shaped knife wherein the sheet or plate stock is sheared by penetration of an arc-shaped knife into said sheet or plate stock and said knife rolling over along the straight knife, accompanied by bending out of the portion being cut out in one direction thereupon the sheet or plate stock portion being cut out is subjected to reverse bending in a direction opposite to that of the previous bending, though the same angle of bending which is maintained constant throughout the shearing process and whose magnitude is enough for the sheet or plate stock portion being cut out to flatten itself.

Compl. specn. 23 pages.

Drgs. 4 sheets

CLASS : 32-F₂b; 55-D₂.

164573

4 Claims

Int. Cl. : A 01 n 9:00; C 07 d 5/34.

A PROCESS FOR PREPARING NOVEL INSECTICIDAL CARBAMATE DERIVATIVES.

Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, U.S.A.

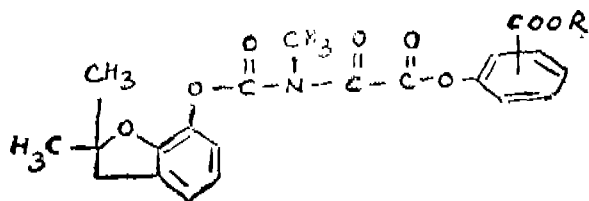
Inventors : 1. NARAYANA MOORTHY MALIPUDI, 2. JOHN GARY HOLLINGSHAUS.

Application No. 200/Cal/86 filed March 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for preparing carbamate compounds of the formula 1 of the accompanying drawings;

wherein R is H, C₁ - C₁ lower alkyl benzyl and salts of the free acid comprising :

Reacting carbofuran with oxalyl chloride in a temperature range of 0°C to 150°C in an inert solvent, neutralizing the reaction mixture, reacting the mixture with an o, m or p -hydroxybenzoic acid ester in an inert organic solvent in the presence of a base and isolating the formula I product, the salts being prepared in a known manner from the corresponding acid.

Compl. specn. 21 pages.

Drgs. 4 sheets

CLASS : 32-F₂.

164574

Int. Cl. : C 07 c 121/32.

PROCESS FOR THE PREPARATION OF (METH) ACRYLAMIDE.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. SHIRO ASANO, 2. MAREO TOKUNAGA, 3. YOSHIHIKO KAMBARA.

Application No. 204/Cal/1986 filed March 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2-27 GI/89

A process for preparing (meth) acrylamide through the Hydration reaction between (meth) acrylonitrile and water in a suspended liquid-phase bed of a Raney copper catalyst under a reaction temperature ranging from 70°C to 150°C, characterized by the improvement wherein a Raney copper alloy is leached in a manner as herein described in the presence of the Raney copper catalyst which has been deteriorated during the reaction, the ratio of the deteriorated catalyst to the Raney copper alloy being in the range of 10:1 — 1:10, and the resultant mixed catalyst is then used to proceed further with the reaction.

Compl. specn. 27 pages.

Drg. Nil

CLASS 39-M.

164575

Int. Cl. : C 01 b 25/40.

PROCESS FOR PREPARING CALCIUM POLYPHOSPHATE.

Applicant : (1) INSTITUT KHIMICHESKIKH NAUK AKADEMII NAUK KAZAKHSKOI SSR, OF ALMA-ATA, ULITS A KRASINA, 106, USSR; (2) NAUCHNO-ISSLEDOVATELSKY INSTITUT PO UDOBRENIYAM I INSEKTOFUNGITSIDAM IMENI PROFESSORA YA. V. SAMOILOVA NAUCHNO-PROIZVODSTVENNOGO OB'EDINENIA "MINUDOBRENIYA", OF MOSCOW, LENINSKY PROSPEKT, 55, USSR.

Inventor : 1. AZHAR KERESHEVNA ILYASOVA, 2. MIKHAIL VASILIEVICH LYKOV, 3. TAMARA IVANOVNA ZAVERTYAEVA, 4. ROGNEDA ANDREEVNA GESKINA, 5. ANTONINA VASILIEVNA EKSHTELIS, 6. ISATAI NURMANOVICH NURIYBAEV, 7. ZENIA PAVLOVNA DEREVSCHIKOVA, 8. GERMAN ANDRIANOVICH MILKOV, 9. ANATOLIY ARTEMAMICH NOVIKOV, 10. SVETLANA IVANOVNA GOLOVKINA.

Application No. 58/Cal/86 filed June 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for preparing calcium polyphosphate, comprising the steps of treating phosphate raw materials with a mixture of phosphoric and sulphuric acid at a temperature of 80—100°C in the presence of ammonium sulphate at the P₂O₅ : SO₃ ratio equal to 3—30:3, drying the resulting pulp, granulating and calcining, characterised in that drying of the pulp and its granulation are carried out at a temperature of 140—200°C, this being followed by calcining the resultant product at a temperature of 260—320°C.

Compl. specn. 14 pages.

Drg. Nil

CLASS :

164576

Int. Cl. : H 01 h 73/04.

A CONTACT ARRANGEMENT FOR A LOW-VOLTAGE CIRCUIT-BREAKER.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, D-8000 MUNCHEN 2, WEST GERMANY..

Inventors : 1. REINHARD KUGLER, 2. KRAI-HEINZ MANTHE.

Application No. 832/Cal/86 filed November 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A Contact arrangement for a low voltage circuit-breaker having a movable part (3) including a movable contact, a fixed part (2) including a fixed counter contact, a drive member for moving the movable part such that the movable contact moves towards and away from the fixed counter contact, to close and open the contacts, and a plate-like electrically insulating body carried by the drive member and serving to separate the zone in which the contacts are disposed from other components of the circuit-breaker.

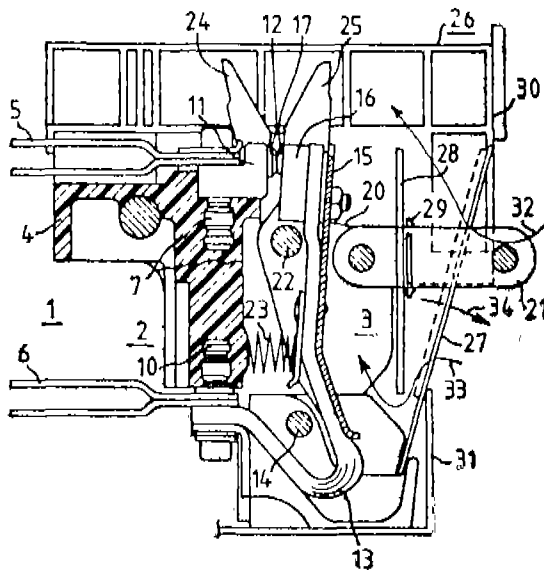
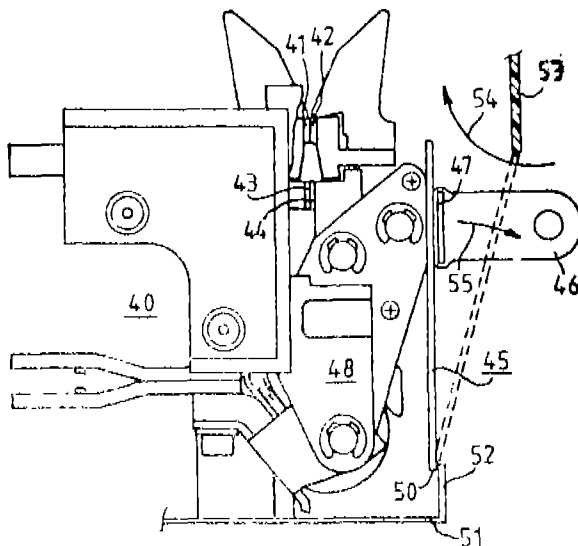


Fig. 1



, Fig. 2

Compl. specn. 12 pages,

Drgs. 2 sheets

CLASS :

164577

Int. Cl. : F 25 b 9/00

METHOD AND DEVICE FOR COMPRESSION OF GASES.

Applicant & Inventor : ING. I EWALD GOSSLER, TRAU-NSTEINSTRASSE 73, A-4810 GMUNDEN, AUSTRIA.

Application No. 833/Cal/86 filed November 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A method for compression of gases, in particular air, within a compressed gas piping system, in which the intake gas of the compressor is cooled below 0°C along a cooling channel by means of a freeze-dehumidifier and the condensate appearing in the form of ice is separated, characterised in that during the defrosting of the freeze-dehumidifier situated in the cooling channel of the air drawn by suction into the compressor the supply of undercooled refrigerant into the said dehumidifier is interrupted and the pressure in the suction pipe or delivery pipe of the refrigerant compressor is monitored and that after the pressure of the refrigerant corresponding to a positive temperature of the freeze-dehumidifier is exceeded, or after a presettable period has elapsed, the defrosting operation is terminated.

Compl. specn. 47 pages.

Drgs. 5 sheets

CLASS :

164578

Int. Cl. : G 04 g 1/00.

IMPROVEMENTS IN OR RELATING TO TWO HAND QUARTZ WATCHES.

Applicant : TIMEX CORPORATION, OF P.O. BOX 2126, WATERBURY, CONNECTICUT 06720, U.S.A.

Inventor : PAUL WUTHRICH.

Application No. 190/Cal/87 filed March 09, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Two hand quartz watch having a movement frame, a dial, an energy cell, a stepping motor with a stator and a rotor, a driving circuit mounted on a circuit board and electrically connected to the stepping motor and adapted to periodically step the rotor, first means rotatably mounted on said movement frame carrying an hour hand bushing and an hour wheel thereon, second means rotatably mounted around said first means and carrying a minute hand, a center wheel and a center pinion thereon, and reduction means rotatably mounted on the frame, said reduction means having a reduction gear engaging and driven by said center pinion and a reduction pinion engaging and driving said hour wheel, characterised by :

said center wheel being disposed immediately below said dial and overlapping the energy cell and having 60 teeth defining radial slots therebetween.

said stepping motor rotor having a pair of driving pins disposed to successively engage a pair of adjacent slots.

said driving circuit being adapted to step said rotor 180 degrees once each minute.

said hour hand being advanced when said second means acts through said reduction means to cause said first means to rotate within said second means, whereby the minute hand and hour hand are advanced once per minute by the stepping motor.

Compl. specn. 13 pages.

Drgs. 2 sheets

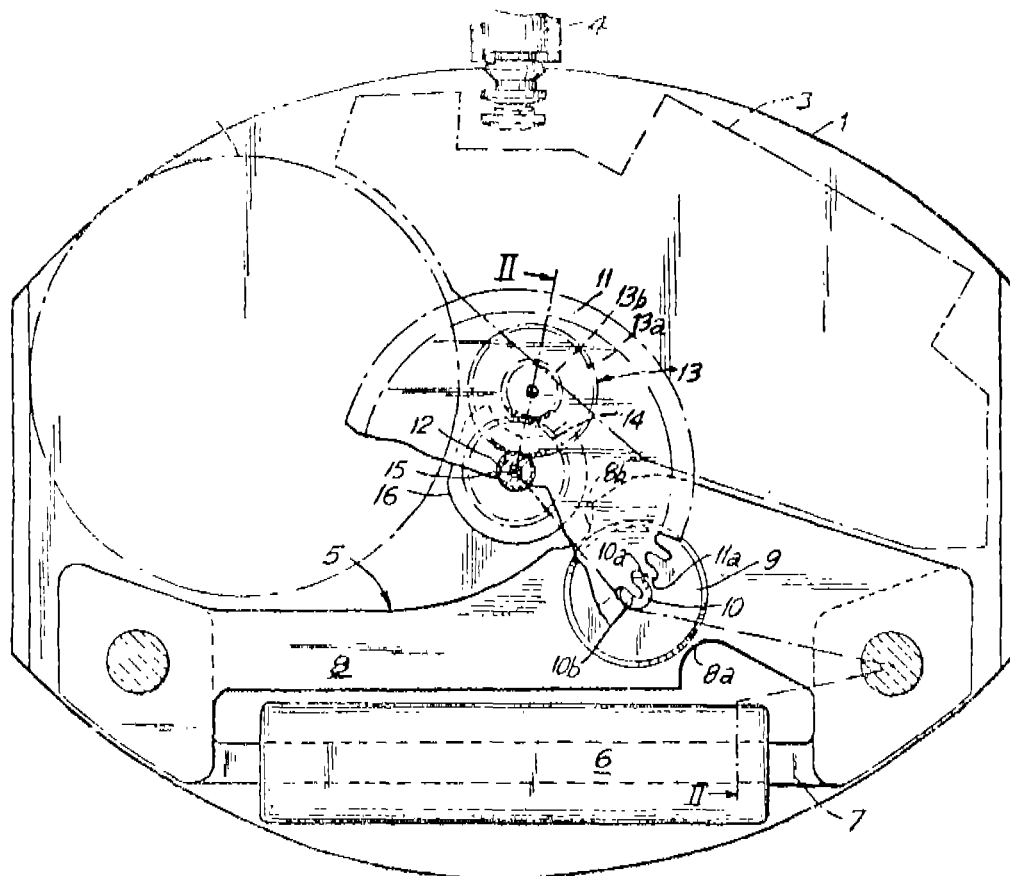


Fig. 1

CLASS : 201-A.

164579

Int. Cl. : C 02 b 1/38.

A METHOD OF TREATING AMBIENT AIR FLOW TO FORM IONIZED OXYGEN ALLOTROPE FOR CHEMICAL FREE WATER PURIFICATION PROCESS.

Applicant & Inventor : DENNIS E. J. JOHNSON AND
SCOTT J. JOHNSON, BOTH OF 1025 GARFIELD AVE-
NUE, AURORA, ILLINOIS 60506, U.S.A.

Application No. 951/Cal/87 filed December 03, 1987.

(Divisional to Application No. 1937/Cal/83, dated the 24th August, 1983).

Conventional date 24th August 1982 (Canada 410003).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

1 Claim

A method of treating ambient air flow to form ionized oxygen allotropic for chemical free water purification process, which method comprises :

establishing in a manner as described herein a gas flow path for the air flow stream and an ionized oxygen allotrope forming site in same that includes multiple magnetic flux fields of fixed intensity characterized by multiple north-south magnetic polar relations having variant orientations of which the magnetic polar relations having variant orientations of which the magne-

tic line of force therefrom are concentrated within and are interlaced across and along the path at the site, enveloping the flux fields from a source within the flow path at the site with ultraviolet wave length electron-volt emissions having oxygen ionizing characteristics, continuously passing the ambient air flow stream from ambient air through the gas flow path including said site, while using the said flux field to concentrate atmospheric oxygen in the flow stream at the site and also shielding ultraviolet light emissions source from blockage, converting at said site the atmospheric oxygen of the flow stream passing therethrough into oxygen allotrope ions by photobombarding of same in the presence of said flux fields to form the oxidant gas of the air flow stream, while simultaneously passing the atmospheric nitrogen of the flow stream through the site free from chemical change.

and continuously passing the flow stream, including the converted atmospheric oxygen in gaseous form, from the gas flow path and optionally diffusing the flow stream into the water to be treated.

whereby the resulting oxygen allotrope ions of the flow stream are attracted to the water molecules of the water by way of their dipole electrical nature and thence into oxidizing relation with foreign material in water, to effect, using the converted atmospheric oxygen, reduction of the surface tension of the water and thereby enhancing agglomeration of colloidal solids therein for settling out therefrom, oxidizing the foreign material remaining in the water, and stabilizing and suffering of the water pH.

Compl. specn. 45 pages.

Drgs. 4 sheets

CLASS : 164580

Int. Cl. : C 02 f 1/74, 1/78.

APPARATUS FOR CHEMICAL FREE WATER PURIFICATION TREATMENT.

Applicant & Inventor : DENNIS E.J. JOHNSON AND SCOTT J. JOHNSON BOTH OF 1025 GARFIELD AVENUE, AURORA, ILLINOIS 60506, U.S.A.

Application No. 144/Cal/88 filed February 17, 1988.

Divisional to Application No. 1037/Cal/83 filed on 24th August, 1983.

Conventional date 24th August, 1982 (Canada 410003).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus for chemical free water purification treatment utilizing atmospheric origin oxygen, said apparatus comprising :

a housing defining a fluid flow chamber formed by a non-magnetic material and forming an air flow way for the ambient air flow having an inlet and an outlet therealong,

said inlet being open to the ambient air, said air flow way between said inlet and said outlet having a site for effecting conversion of atmospheric oxygen of the ambient air flow to oxidant gas in the form of ionized gaseous oxygen allotropes,

said site including :

magnetic means of fixed intensity defining multiple north-south magnetic polar relations having variant orientations for forming multiple magnetic flux fields of which the magnetic lines of force therefrom are concentrated within and are interlaced across and along the air flow way at said site,

and a mercury vapor photolysis lamp mounted to be disposed in said site within said flow way and said magnetic flux fields for generating ionizing ultraviolet light therealong and substantially 360 degrees thereabout,

means for electrically energizing said lamp for enveloping said flux fields and said flux lines of force thereof with ultraviolet light electron-volt energy emissions from said lamp,

and means for including flow ambient air from the atmosphere through said flow way,

whereby when said lamp is energized by said energizing means, said lamp effects said ultraviolet light electron-volt energy emissions radially about said lamp in enveloping relation to said flux fields,

and on said flow of ambient air from the atmosphere being induced through said ambient flow path and said site thereof, at said site atmospheric oxygen of the ambient air flow, as such atmosphere oxygen moves through said site, is subject to conversion to ionized, gaseous, oxygen allotropes of highly energized characteriseics, under the cooperative effects of said flux fields enveloped by said ultraviolet light electron-volt energy emission from said lamp, to the exclusion of the air flow nitrogen content, for discharge as said oxidant gas has part of the air flow discharge from said air flow way outlet,

said magnetic means flux fields being oriented in magnetically acting relation to said lamp for maintaining said lamp free of foreign material, ultra-violet light

blocking, build-ups on said lamp, and effecting concentration of said oxidant gas, of the ambient air flow, at said site for prolonging conversion treatment time of the atmospheric oxygen content of said air flow therethrough for increased oxidizing potential of said oxidant gas contained in the air flow discharge from said air flow way outlet,

and means for interspersing the ambient air flow from said outlet, including said oxidant gas, into the water to be treated including :

means for diffusing the air flow into the water to be treated,

and conduit means connected between said outlet and said diffusing means for conducting the air flow from said way to said diffusing means.

Compl. specn. 47 pages.

Drgs. 4 sheets

CLASS :

164581

Int. Cl. : C 22 C-1/02; 21/00.

"A PROCESS FOR THE PREPARATION OF A NEW ALUMINIUM BASED ALLOY ANODE FOR CATHODIC PROTECTION OF STRUCTURES SUBMERGED BOTH IN SALINE AND FRESH WATER.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BALKUNJE ANANTHA SHENOI, KRISHNA-SWAMY BALAKRISHNAN, PATTARAKULAM LUKA-JOSEPH, VASUDEVA SASTRI KAPALI AND VENKATARAMAN BALASUBRAMANIAM.

Application for Patent No. 394/Del/85 filed on 10th May, 1985. Complete Specification left on 23rd July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

3 Claims

A process for the preparation of a new aluminium based alloy anode for cathodic protection of submerged structures in saline and fresh water from ternary alloy of aluminium, zinc magnesium which comprises adding 1 to 20% by wt. of zinc of purity of 99.9% to a molten master alloy of aluminium and magnesium prepared by adding 0.1 to 10% by wt. of magnesium of purity not less than 99.8% to 80—98% by wt. aluminium of purity 99.5%, at a temperature in the range of 720°C to 750°C such that in the resulting composition the amount of zinc, aluminium and magnesium has following ranges :

Aluminium 80%—98% wt/wt.

Zinc 1%—20% wt/wt.

Magnesium 0.1%—10% wt/wt.

heating the molten mixture at a temperature in the range of 700—740°C with constant stirring and casting the resultant molten mixture into desired shape and size of the anode.

Provisional specification 5 pages.

Compl. specn. 9 pages.

CLASS : 164582

Int. Cl.⁴ : B 05 D 1/18.

A METHOD FOR PREPARING A DEVICE FOR THE CONTROLLED RELEASE OF A BIOCIDAL CHEMICAL IN AQUATIC SYSTEMS FOR THE CONTROL OF PESTILINEAL/PATHOGENIC ORGANISMS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIAN AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAVINDRA NATH SHARMA, HARI GOPAL VARTAK, PUSHPA DUTTA GUND, ICYAS VAZIR BHALDAR, JANAPALA VENKATESHWARA RAO, VISHNU KALOJI POWER AND RAJAT BARAN MITRA.

Application for Patent No. 430/Del/85 filed on 28th May, 1985.

Complete Specification left on 13 August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A method for preparing a device for the controlled release of biocidal chemical in aquatic system for the control of pestileneal/pathogenic organisms comprising preparing a solid hydrogel by polymerising by method such as herein described, a hydrogel forming monomer such as herein described contained in a polymer encasing, which is closed at both ends and is also provided with multiple holes on its body through which tubular arms open at both ends are inserted, adding a known biocidal chemical such as herein described on the surface of the solid hydrogel formed, adding further hydrogel forming monomer such as herein described over the biocidal chemical so as to fill the casing and again polymerising the monomer to form solid hydrogel so that the biocidal chemical is surrounded by the solid hydrogel.

Compl. specn. 24 pages. Drgs. 4 sheets

Provisional Specification 6 pages.

CLASS : 164583

Int. Cl.⁴ : E 04 B 5/00.

AN INTERMEDIATE ANCHOR DEVICE FOR PRESTRESSING STRUCTURAL MEMBERS.

Applicant : VSL INTERNATIONAL AG, OF KONIZSTRASSE 74, 3008 BERN (CANTON OF BERNE), SWITZERLAND.

Inventor : NIKLAUS GABRIEL MOSER.

Application for Patent No. 1122/Del/85 filed on 31st December, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

7 Claims

An intermediate anchor device for prestressing structural members by means of at least one prestressing element extending through the structural members, said device including two prestressing anchors, two clamping wedges assemblies, each comprising at least two clamping wedges, respectively and connected to said two prestressing anchors, and two more screws, the improvement comprising rigid spacing means for holding said clamping wedge assemblies spaced from one another to such an extent that only one of said two clamping wedge assemblies is situated in a position enabling it to exert full clamping action upon said prestressing element.

Compl. specn. 14 pages. Drgs. 4 sheets

CLASS : 164584

Int. Cl.⁴ : H 02 K 15/00.

IMPROVED ELECTRICAL MACHINE.

Applicant : EASTWAY HOLDINGS LIMITED, OF LEGION HOUSE, 838-864 UXBRIDGE ROAD, HAYES, MIDDLESEX, UB4 0RP, ENGLAND, A COMPANY REGISTERED ACCORDING TO THE LAWS OF ENGLAND.

Inventor : GERT NEL.
January, 1986.

Application for Patent No. 26/Del/86 filed on 9th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

8 Claims

An electrical machine comprising a casing, a rotor mounted within the casing, and a stator disposed coaxially around the rotor, the stator being axially slidable into and from the casing, annularly arranged chamfered contact surfaces on axial ends of the stator and facing in opposite directions, annularly arranged chamfered locating surfaces disposed within the casing in axially spaced relationship and arranged to engage and sandwich the contact surfaces therebetween and an end plate securable to an end of the casing for axially clamping the chamfered contact and locating surfaces together, the end-plate being releasable to allow unclamping of the chamfered contact and locating surfaces to enable the stator to be removed axially from the casing.

Compl. specn. 11 pages. Drgs. 2 sheets

CLASS : 164585

Int. Cl.⁴ : C 10M 135/02; 135/12.

A LUBRICATING OIL COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKENLAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF OHIO, U.S.A.

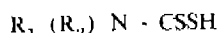
Inventors : KIRK EMERSON DAVIS AND STEPHEN AUGUSTINE DIBIASE.

Application for Patent No. 36/Del/86 filed on 15th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

16 Claims

A lubricating oil composition comprising an oil of lubricating viscosity and less than 49% parts by weight of an oil-soluble composition which comprises (A) a metal salt of a dithio-carbamic acid of the formula



wherein R_1 and R_2 are each independently hydrocarbyl groups in which the total number of carbon atoms in R_1 and R_2 is sufficient to render the metal salt oil-soluble, and (B) an oil-soluble sulfurized Diels-Alder adduct of a dienophile with an aliphatic conjugated diene, wherein the weight ratio of (A) to (B) is in the range of from 1:10 to 50:1 and further wherein the lubricating oil composition contains 0 to less than 0.1% by weight of phosphorus.

Compl. specn. 42 pages. Drgs. 2 sheets

CLASS :

164586

Int. Cl.¹ : H04M 3/22; G05B 17/00.

A TELEPHONIC TRAFFIC SIMULATOR FOR CHECKING, CONTROL AND MAINTENANCE OF TELEPHONE EXCHANGES.

Applicant : SOCIETE CLEMESSY, A FRENCH COMPANY, OF 18, RUE DE THANN, B.P. 2499, 68057-MULHOUSE CEDEX, FRANCE.

Inventor : GENEVIEVE JAILLET.

Application for Patent No. 93/Del/86 filed on 31st January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

8 Claims

A telephonic traffic simulator for checking, control and maintenance of telephone exchanges and being connectable to a telephone exchange through the medium of output and input junction sockets (4, 3), said simulator comprising a central unit (UC) incorporating a microprocessor (MOP) driven by a clock (H), said microprocessor (MOP) being connected by a single bus (18) on the one hand to a pulse, impedance and polarity generator-detector (GDI) and a frequency generator-detector (GDF) incorporating a microprocessor (MOPF) and a storage memory (MSTCK), (53) and on the other hand to a set of memories including a programme memory (MPR) and a parameter memory (MPA), said pulse generator-detector (GDI) and said frequency generator-detector (GDF) being provided with respective interface circuits with pulse generator-detector (GDI) being connected to said output and input junction sockets (4, 3) whereby line signals generated within the telephone exchange are received and line variations therein are detected by said generator-detectors (GDI, GDF) and communicated through said central unit (UC) to said set of memories (MPR, MPA) and therefrom to an audio and/or visual communication devices connected to said bus.

Compl. specn. 12 pages.

Drgs. 6 sheets

CLASS :

164587

Int. Cl.¹ : C07D 471/08.

AN IMPROVED PROCESS FOR THE PREPARATION OF CODEINE FROM MORPHINE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

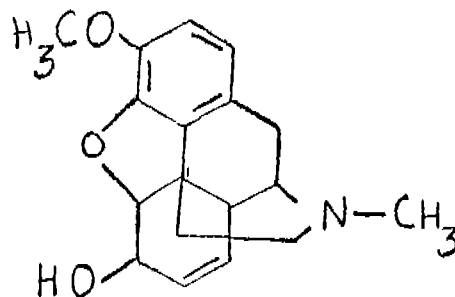
Inventors : NAGRAJ RAMANUJ AYYANGAR, ANIL RAMKUMAR CHOUDHARY UTTAM RAMRAO KALKOTE AND VASANT KAUSHAL SHARMA.

Application for Patent No. 109/Del/86 filed on 5th February, 1986.

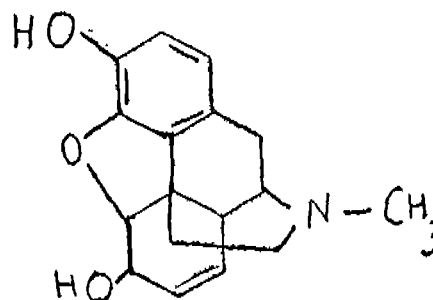
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

9 Claims

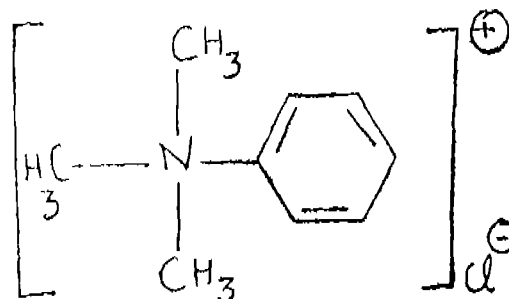
An improved process for the preparation of codeine of the formula shown in Fig. A



of the drawings from morphine comprises reacting morphine morphine of the formula shown in Fig. B



with trimethyl phenyl ammonium chloride of the formula shown in Fig. C



in the presence of alkali metal carbonate and a hydrocarbon solvent at a temperature in the range of 45°C to 120°C.

Compl. specn. 9 pages.

Drg. 1 sheet

CLASS :

164588

Int. Cl.¹ : H01L 15/02.

IMPROVED METHOD FOR THE MANUFACTURE OF SMALL AREA SEMICONDUCTOR DEVICES FROM LARGER AREA SEMICONDUCTOR STRUCTURE WITHOUT CREATING SHORT CIRCUITS.

Applicant : SOVONICS SOLAR SYSTEMS, A PARTNERSHIP FORMED PURSUANT TO THE LAWS OF THE STATE OF MICHIGAN AND HAVING A PLACE OF BUSINESS AT 6180 COCHRAN ROAD, SOLON, OHIO 44139, UNITED STATES OF AMERICA AND CONSTITUTED BY AND BETWEEN SOHIO COMMERCIAL DEVELOPMENT COMPANY, A DELAWARE CORPORATION, WHOLLY OWNED BY THE STANDARD OIL COMPANY, AN OHIO CORPORATION HAVING A REGISTERED OFFICE OF BUSINESS AT THE MIDLAND BUILDING, CLEVELAND, OHIO 44115, AND ENERGY CONVERSION DEVICES, INC., A DELAWARE CORPORATION, HAVING A REGISTERED OFFICE AT 1675 WEST MAPLE ROAD, TROY MICHIGAN 48064, UNITED STATES OF AMERICA.

Inventors : PREM NATH AND AVTAR SINGH.
Application for Patent No. 170/Del/86 filed on 21st March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

7 Claims

An improved method for the manufacture of small area semiconductor devices from larger area semiconductor structure without creating short circuits in said small area semiconductor devices, said semiconductor structure having a substrate with a base electrode region thereupon, a semiconductor body formed of p-i-n layers of thin film semiconductor alloy material, said body disposed upon the base electrode and a transparent, electrically conductive top electrode formed of a relatively brittle transparent conductive oxide material deposited over the semiconductor body, the method comprising the steps of supporting the top electrode side of the semiconductor structure by placing support means against said top electrode side, placing shearing means adjacent the substrate side of said semiconductor structure, applying a shearing force to said shearing means while retaining portions of the top electrode and semiconductor body along which the device is to be cut, such that said shearing force to the semiconductor substrate is applied from the substrate side thereof, whereby the transparent conductive oxide material shatters in the region proximate to where the shearing force is applied and said shearing force cuts serially through the substrate, the semiconductor body and the top electrode without establishing short circuit contact between the base electrode and the top electrode.

Compl. specn. 12 pages.

Drgs. 3 sheets

CLASS :

164589

Int. Cl.⁴ : A61K 7/16.

A DENTAL TOOTHPASTE COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 300 PARK AVENUE NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : EDWARD EIGEN AND ALEXANDER J. SIMONE.

Application for Patent No. 283/Del/86 filed on 25th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

5 Claims

A dental toothpaste composition comprising a plaque-inhibiting amount of emulsan; a dental vehicle consisting of a humectant of the kind as hereinbefore described, a gelling agent of the kind as hereinbefore described and water to disperse said emulsan said amount of said emulsan being from 0.05 to 10% by weight of water in said vehicle, the amount of water and said humectant being 20—75% by weight of said composition and the amount of said gelling agent being 0.5 to 10% by weight, of said composition.

CLASS :

164590

Int. Cl.⁴ : B03 C 3/00.

APPARATUS FOR TRANSPORTING AIR WITH THE AID OF AN ELECTRIC CORONA-WIND.

Applicant : ASTRA-VENT AB, A SWEDISH JOINT-STOCK COMPANY, OF ARSTAANGSVAGEN 1A, S-177 43 STOCKHOLM, SWEDEN.

Inventors : VILMOS TOROK AND ANDRZEJ LORETH.

Application for Patent No. 303/Del/86 filed on 1st April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

25 Claims

An apparatus for transporting air with the aid of an electric corona-wind, comprising :

at least one corona electrode and at least one target electrode which is permeable to an air flow through the apparatus;

said target electrode being located at a distance from and downstream of the corona electrode, in the direction of said air flow;

a d.c. voltage source having one terminal thereof connected to the corona electrode so that a corona discharge generating air ions occurs at the corona electrode and the other terminal thereof connected to the

target electrode; and

screening means located upstream of the corona electrode for screening the corona electrode in an upstream direction to prevent or reduce substantially any migration of ion current in the upstream direction of the corona electrode;

the distance between the corona electrode and the part of the target electrode receiving the predominant part of said downstream ion current being at least 50 mm.

Compl. specn. 49 pages.

Drgs. 4 sheets

CLASS : 195-D.

164591

Int. Cl. : F 16 k 3/00.

A REFRACTORY VALVE BODY AND A SLIDING CLOSURE UNIT INCORPORATING SAME.

Applicant : STOPINC AKTIENGESellschaft, OF ZUGERSTR. 76A, CH-6340 BAAR, SWITZERLAND.

Inventor : WERNER KELLER.

Application No. 271/Cal/85 filed April 10, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

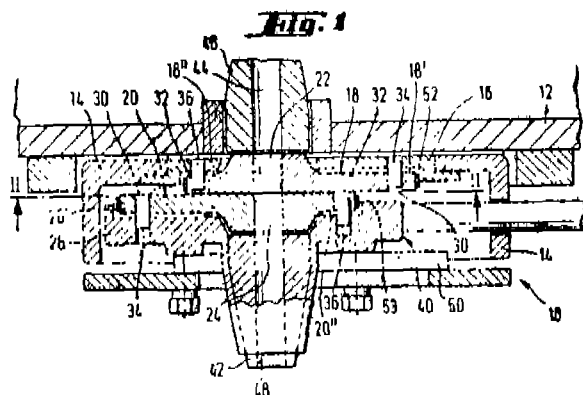
19 Claims

A refractory valve body for use as a stationary or as a sliding valve member of a sliding closure unit for controlling the discharge of molten material from a vessel, said valve body comprising :

a discharge opening for use in discharging molten material;

at least one elongated groove; and

at least one bore hole centered on a longitudinal axis of said groove extending in the direction of elongation thereof.



Compl. specn. 18 pages.

Drgs. 4 sheets

CLASS : 116-H

164592

Int. Cl. : B 66 c 21/00.

CABLE HOISTING MECHANISM OF A CRANE.

Applicant : FRIED KRUP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTENDORFER STRASSE 103, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

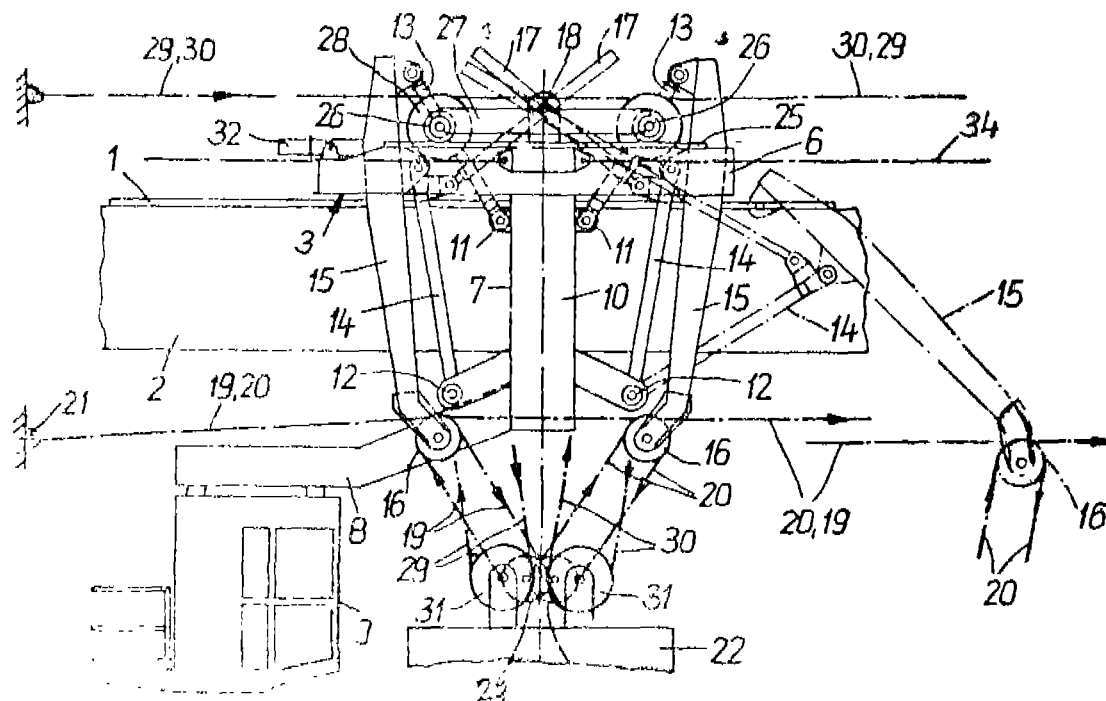
Inventors : 1. HERBERT KURZ, 2. HANS PERSCHMANN.

Application No. 321 Cal/85 filed April 27, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A cable hoisting mechanism of a crane, especially of a container crane, having a crane carriage (or trolley) which is engaged by essentially vertical hoisting cables and by inclined cables serving for oscillation (or sway) damping which are provided with a tautness-maintaining equipment (or device) which are guided by guide pulleys (or guide rollers) which are arranged outside on both the sides of the crane carriage and which are laterally movable (or displaceable) with respect to the load central plane (or cargo handling plane), wherein the tautness-maintaining equipment of the inclined cables being adapted to act independently from the hoisting drive of the hoisting cables and the guide pulleys of the inclined cables capable of being movable controlled and constructed as sets of coaxially arranged guide pulleys to or from which the associated inclined-cable is substantially horizontally supplied or withdrawn, respectively.



Compl. specn. 12 pages.

Drgs. 3 sheets

CLASS : 129-E.

164593

Int. Cl. : B 21 j 5/00.

FORGING PROCESS.

Applicant : BAYERISCHES LEICHTMETALLWERK GRAF BLUCHER VON WAHLSTATT GMBH & CO. KG., OF FRANKFURTER RING 227, D-8000 MÜNCHEN 40, WEST GERMANY.

Inventors : 1. SCHMID ANTON, 2. TAUSCHEK GEORG, 3. SEDLMEIER ANDREAS, 4. POLLOK PETER.

Application No. 539/Cal/85 filed July 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.